

THE

**FLEXIBLE  
SOLUTION**

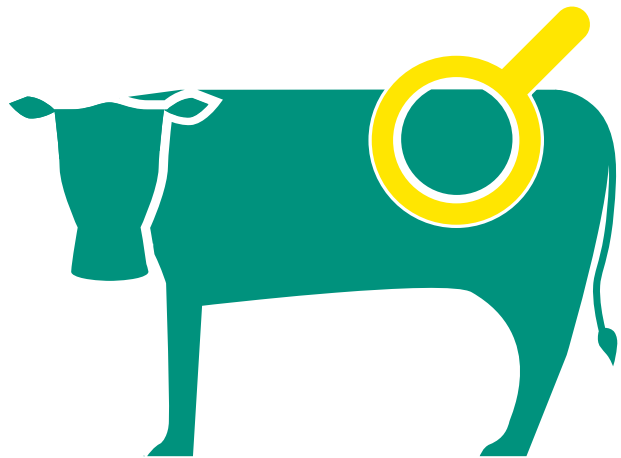
FOR STRESSED CALVES



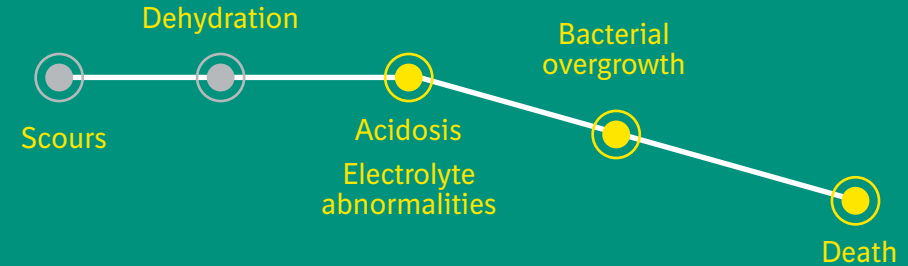
**Cattle First.**

**Diaque<sup>®</sup>**

THE IMPORTANCE OF  
**DETECTING  
AND TREATING**  
SCOURS



# Scours Is the Primary Cause of Illness and Death in Young Calves



Scours has many different causes, and frequently involves a combination of:

- Nutritional inconsistencies
- Viruses
- Bacteria
- Parasites

Dehydration caused by scours leads to acidosis, which can result in organ failure and eventually death.

Scouring calves need nutritional support — keep them on milk!

GIVE YOUR CALVES  
***THE SUPPORT  
THEY NEED***  
WITH DIAQUE®



## Premium Nutritional Supplement for Scouring Calves



Diaque® supports scouring calves by:

- Replacing lost electrolytes
- Managing acidosis
- Restoring energy

DIAQUE is especially beneficial to calves experiencing:

- Stress
- Scours
- Changes in feed
- Environmental changes, such as weather or transportation



# THE **BENEFITS** OF DIAQUE®

DIAQUE is a rehydrating solution that manages electrolyte abnormalities and provides alkalinizing agents for managing acidosis.<sup>1</sup>

The three-step buffering system manages dehydration and acidosis while keeping calves on milk, which provides them with valuable nutrients.

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**ACID MATTERS.** DIAQUE addresses acidosis without changing stomach pH, so milk can still be properly digested (i.e., form milk clots).

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## **DIAQUE®**

- Alkalinizing oral rehydration solution.
- Maintains stomach acidity for proper milk digestion.
- Features a buffer and fibers to inhibit bacterial growth known to cause diarrhea.<sup>3</sup>



## **RE-SORB®**

- Non-alkalinizing oral rehydration solution.
- Does not maintain the acidity needed for proper milk digestion.
- Decreases protection from oral pathogens, which increases diarrhea.

\* All bullet points above comparing DIAQUE® and RE-SORB® are attributed to Reference 2 (see page 6) unless otherwise noted.



NOT ALL  
**SCOURS**  
**SUPPLEMENTS**  
ARE CREATED EQUAL



Diaque®



Re-Sorb®

## Diaque® Is Specifically Formulated to Improve Gut Health

Unlike other scours supplements, DIAQUE's hydrophobic citrus fiber supports normal gut health.

Most electrolyte supplements simply provide energy in the form of sugar. DIAQUE does more:

- It provides calves with energy in the form of glucose (a form of sugar) and glycine while restoring essential electrolytes.

In studies comparing DIAQUE with Re-Sorb®, DIAQUE showed several advantages:

- Resolved diarrhea more quickly.<sup>2,4</sup>
- Enabled a significantly higher weight gain ( $p < 0.04$ ).<sup>4</sup>
- A cost savings of \$4.82 per calf.<sup>2</sup>
- Fewer days of treatment, resulting in labor savings.



## Usage Information

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### Calves:

One packet (100 grams) or 2 scoops of Diaque® using enclosed measuring cup (50 grams/scoop) mixed in 2 quarts of milk, milk replacer or warm water; feed immediately.

### For larger calves or those requiring more energy:

Mix 1½ packets (150 grams) or 3 scoops using enclosed measuring cup (50 grams/scoop) with 3 quarts of milk, milk replacer or warm water.

- Feed every eight to 10 hours for 24 to 48 hours.
- Discard any unconsumed mixed product each day.
- See label requirements for lambs, kids, pigs, foals and crias.

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### References:

- <sup>1</sup>Constable PD, Grünberg W, Carstensen L. Comparative effects of two oral rehydration solutions on milk clotting, abomasal luminal pH and abomasal emptying rate in suckling calves. *J Dairy Sci* 2009;92(1):296–312.
- <sup>2</sup>Goodell GM, Campbell J, Højvang-Nielsen L, et al. An alkalinizing oral rehydration solution containing lecithin-coated citrus fiber is superior to a non-alkalinizing solution in treating 360 calves with naturally acquired diarrhea. *J Dairy Sci* 2012;95(11):6677–6686.
- <sup>3</sup>Bachmann, P., Larsen, J.L. Development and testing of a new remedy against acute infectious diarrhea in calves (Diakur). *Dansk Vet. Tidsskr.* 1989;72:1419–1429.
- <sup>4</sup>Goodell GM, Campbell J, Carstensen L. Outcome on calves with diarrhea fed an oral electrolyte in milk compared to an oral electrolyte fed separately in water, in *Proceedings*. Am Assoc Bovine Pract Conf 2009.

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